

Application No. 09/474,569
Amendment dated October 25, 2007
Reply to Office Action dated July 27, 2007

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A patient data information system, comprising:
 - a display unit;
 - a first application configured to display patient images for a patient on the display unit, wherein the first application is configured to retrieve patient image data from a picture archival and communication system (PACS) and to automatically extract and generate a set of patient context data for the patient from the retrieved patient image data, and further wherein the set of patient context data includes patient and user information;
 - a second application configured to retrieve a set of patient textual data from a radiology information system (RIS); and
 - a workstation coupled to the display unit and configured to operate both the first application and the second application that reside on the workstation, the first application configured to send the automatically extracted and generated set of patient context data to the second application after the patient image data is retrieved, and the second application configured to receive the set of patient context data from the first application and to retrieve and display the set of patient textual data on the display unit in response to the retrieval of the patient image data and extraction and generation of the set of patient context data.

Claims 2-3. (Cancelled)

4. (Original) The patient data information system of claim 1, wherein the display unit includes a monitor having a resolution of at least 90 dpi.

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5. (Original) The patient data information system of claim 1, wherein the second application is selected from the group consisting of a case signout application, a report entry application, an order detailing application, and an order viewer application.
6. (Original) The patient data information system of claim 1, further comprising a second workstation coupled to the workstation, the second workstation configured to operate the second application.
7. (Original) The patient data information system of claim 1, wherein the second application is coupled to the first application via an object request broker.
8. (Original) The patient data information system of claim 7, further comprising a bridge coupled between the second application and the object request broker, wherein the second application communicates via the component object model (COM).
9. (Previously Presented) The patient data information system of claim 1, further comprising an input unit, the first application generating the set of patient context data in response to user input at the input unit.
10. (Original) The patient data information system of claim 9, wherein the input unit is selected from the group consisting of a mouse, a voice recognition system, a keystroke, a switch, and a light pen.

Claims 11-12. (Cancelled)

13. (Original) The patient data information system of claim 1, wherein the patient data includes patient examination information.

14. (Currently Amended) A method of integrating patient data from first and second applications residing on a single workstation, comprising:

displaying patient images retrieved from an image database using the first application on the workstation, wherein the first application is configured to retrieve patient image data from a picture archival and communication system (PACS);

extracting and generating a set of patient context data for a patient using the first application, wherein the set of patient context data is automatically extracted and generated from the retrieved patient image data and includes patient and user information;

sending the set of patient context data from the first application to the second application on the workstation;

retrieving a set of patient textual data based on the set of patient context data using the second application, wherein the second application is configured to retrieve the set of patient textual data from a radiology information system (RIS); and

displaying the set of patient textual data using the second application on the workstation.

Claims 15-17. (Canceled)

18. (Previously Presented) The method of claim 14, wherein the step of sending includes generating an event based on the set of patient context data and providing the event to the second application.

19. (Original) The method of claim 18, further comprising converting the event from a first object model to a second object model and providing the converted event to the second application.

20. (Original) The method of claim 14, wherein the second application is selected from the group consisting of a case signout application, a report entry application, an order detailing

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application, and an order viewing application.

21. (Previously Presented) The method of claim 14, further comprising receiving an operator input from an input unit and generating the set of patient context data for the patient in response to the operator input.

22. (Previously Presented) The method of claim 14, wherein the set of patient data includes patient examination information.

23. (Currently Amended) An apparatus for integrating patient data from first and second applications residing on a single workstation, comprising:

a means for displaying patient images retrieved from an image database using the first application on the workstation, wherein the first application is configured to retrieve patient image data from a picture archival and communication system (PACS);

a means for extracting and generating a set of patient context data for a patient using the first application, wherein the set of patient context data is automatically extracted and generated from the retrieved patient image data and includes patient and user information;

a means for sending the set of patient context data from the first application to the second application on the workstation;

a means for retrieving a set of patient textual data based on the set of patient context data using the second application, wherein the second application is configured to retrieve the set of patient textual data from a radiology information system (RIS); and

a means for displaying the set of patient textual data using the second application on the workstation.

Claims 24-26. (Cancelled)

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27. (Previously Presented) The apparatus of claim 23, wherein the means for sending includes a means for generating an event based on the set of patient context data and providing the event to the second application.

28. (Previously Presented) The apparatus of claim 27, further comprising a means for converting the event from first object model to a second object model and a means for providing the converted event to the second application.

29. (Previously Presented) The apparatus of claim 23, wherein the second application is selected from the group consisting of a case signout application, a report entry application, an order detailing operation, and an order viewer application.

30. (Previously Presented) The apparatus of claim 23, further comprising a means for receiving an operator input and generating the set of patient context data for the patient in response to the operator input.

31. (Previously Presented) The apparatus of claim 23, wherein the set of patient data includes a means for providing patient examination information.

32. (Currently Amended) A patient data information workstation, comprising:
a display;

a first application configured to retrieve and display patient images for a patient on the display, wherein the first application is configured to retrieve patient image data for a picture archival and communication system (PACS), and further configured to automatically extract and generate a set of patient context data associated with the patient when patient image data is retrieved, and further wherein the set of patient context data includes patient and user information; and

a second application configured to receive the set of patient context data sent from the first application and to retrieve and display a set of patient textual data for the patient on the display in response to the retrieval of the patient image data and extraction and

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generation of the set of patient context data, and further wherein the second application is configured to retrieve the set of patient textual data from a radiology information system (RIS).

Claims 33-34. (Cancelled)

35. (Previously Presented) A patient data information workstation according to claim 32, further including a third application in data communication with the first application, the third application configured to receive the set of patient context data sent from the first application and to retrieve and display patient data for the patient based on the set of patient context data.